

POLYNUCLEOTIDES ENCODING CELLULAR TRANSPORTERS  
AND METHODS OF USE THEREOF

ABSTRACT

This disclosure encompasses the *Indy* gene, polypeptides encoded by the *Indy* gene and fragments thereof. This disclosure also encompasses homologs of the *Indy* gene both from *Drosophila* and other organisms. In addition, this disclosure encompasses the use of *Indy* polynucleotides, INDY proteins and polypeptides, antibodies to the INDY protein, antagonists that inhibit *Indy* activity or expression, and agonists that increase *Indy* activity or expression, in the diagnosis or treatment of body weight disorders or longevity in humans and animals.